CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/519,013B

CRF Processing Date: 12/02/01
Edited by: mb
Verified by: #13

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputte applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited we _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

ENTERED

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. I applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingl due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: Edited sequence number 5 and sequence number 9 — Specifically field identifiers were not aligned with the left margins

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*Examiner: The above corrections must be communicated to the applicant in the first O Action. DO NOT send a copy of this form.

#13

1642

RAW SEQUENCE LISTING DATE: 11/02/2001
PATENT APPLICATION: US/09/599,013B TIME: 09:41:55

Input Set : A:\pto.mh.txt
Output Set: N:\CRF3\11022001\I599013B.raw

3 <110> APPLICANT: Ono, Toshiro
4 Nakayama, Eiichi
6 <120> TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
7 THEREFOR
9 <130> FILE REFERENCE: L0461/7086
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/599,013B
12 <141> CURRENT FILING DATE: 2000-04-26
14 <150> PRIOR APPLICATION NUMBER: US 60/168,353
15 <151> PRIOR FILING DATE: 1999-12-01
17 <160> NUMBER OF SEQ ID NOS: 32
19 <170> SOFTWARE: FastSEQ for Windows Version 3.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 538
23 <212> TYPE: DNA
24 <213> ORGANISM: Mus musculus
26 <400> SEQUENCE: 1
27 agatcaaggg gaaaaggaga accccatgcg ggaactgcgc atccgcaagc tctgcctcaa 60
28 tatctgcgtc ggggagagcg gagacagact gacccgggca gccaaggtgt tggagcagct 120
29 cacaggccag accccggtgt tctccaaagc tagatacact gtcaggtcct ttggcatccg 180
30 gagaaatgag aagattgctg ttcactgcac agtccgcgga gccaaggcag aggaaattct 240
31 ggagaaaggc ctgaaggtgc gggagtatga gttgcggaaa aataacttct cggatactgg 300
32 aaactttggt tttggaattc aagaacacat tgacctgggc atcaaatacg acccaagcat 360
33 tgggatctac ggcctggact tctatgtggt gctgggtagg ccagggttca gcatcgcaga 420
34 caagaagcgc agaacaggct gcattggggc caaacacaga atcagcaagg aggaggccat 480
35 gcgctggttc cagcagaagt acgatggaat catccttcct ggaaaataaa cttgatcc 538
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 175
39 <212> TYPE: PRT
40 <213> ORGANISM: Mus musculus
42 <400> SEQUENCE: 2
43 Asp Gln Gly Glu Lys Glu Asn Pro Met Arg Glu Leu Arg Ile Arg Lys
44 1 5 10 15
45 Leu Cys Leu Asn Ile Cys Val Gly Glu Ser Gly Asp Arg Leu Thr Arg
46 20 25 30
47 Ala Ala Lys Val Leu Glu Gln Leu Thr Gly Gln Thr Pro Val Phe Ser
48 35 40 45
49 Lys Ala Arg Tyr Thr Val Arg Ser Phe Gly Ile Arg Arg Asn Glu Lys
50 50 55 60
51 Ile Ala Val His Cys Thr Val Arg Gly Ala Lys Ala Glu Glu Ile Leu
52 65 70 75 80
53 Glu Lys Gly Leu Lys Val Arg Glu Tyr Glu Leu Arg Lys Asn Asn Phe
54 85 90 95
55 Ser Asp Thr Gly Asn Phe Gly Phe Gly Ile Gln Glu His Ile Asp Leu
56 100 105 110
57 Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Tyr Gly Leu Asp Phe Tyr
58 115 120 125
59 Val Val Leu Gly Arg Pro Gly Phe Ser Ile Ala Asp Lys Lys Arg Arg

Non Errored

RAW SEQUENCE LISTING DATE: 11/02/2001
PATENT APPLICATION: US/09/599,013B TIME: 09:41:55

Input Set : A:\pto.mh.txt
Output Set: N:\CRF3\11022001\I599013B.raw

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60      130                 135                 140
61  Thr Gly Cys Ile Gly Ala Lys His Arg Ile Ser Lys Glu Glu Ala Met
62  145                 150                 155                 160
63  Arg Trp Phe Gln Gln Lys Tyr Asp Gly Ile Ile Leu Pro Gly Lys
64                  165                 170                 175
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 1228
68 <212> TYPE: DNA
69 <213> ORGANISM: Mus musculus
71 <400> SEQUENCE: 3
72  acagccgcat cttcttgtgc agtgccagcc tcgtcccgta gacaaaatgg tgaaggtcgg      60
73  tgtgaacgga tttggccgta ttgggcgcct ggtcaccagg gctgccattt gcagtggcaa     120
74  agtggagatt gttgccatca acgacccctt cattgacctc aactacatgg tctacatgtt     180
75  ccagtatgac tccactcacg gcaaattcaa cggcacagtc aaggccgaga atgggaagct     240
76  tgtcatcaac gggaagccca tcaccatctt ccaggagcga gaccccacta acatcaaatg     300
77  gggtgaggcc ggtgctgagt atgtcgtgga gtctactggt gtcttcacca ccatggagaa     360
78  ggccggggcc cacttgaagg gtggagccaa acgggtcatc atctccgccc cttctgccga     420
79  tgcccccatg tttgtgatgg gtgtgaacca cgagaaatat gacaactcac tcaagattgt     480
80  cagcaatgca tcctgcacca ccaactgctt agccccctg gccaaggtca tccatgacaa      540
81  ctttggcatt gtggaagggc tcatgaccac agtccatgcc atcactgcca cccagaagac     600
82  tgtggatggc ccctctggaa agctgtggcg tgatggccgt ggggctgccc agaacatcat     660
83  ccctgcatcc actggtgctg ccaaggctgt gggcaaggtc atcccagagc tgaacgggaa     720
84  gctcactggc atggccttcc gtgttcctac ccccaatgtg tccgtcgtgg atctgacgtg     780
85  ccgcctggag aaacctgcca agtatgatga catcaagaag gtggtgaagc aggcatctga     840
86  gggcccactg aagggcatct tgggctacac tgaggaccag gttgtctcct gcgacttcaa     900
87  cagcaactcc cactcttcca ccttcgatgc cggggctggc attgctctca atgacaactt     960
88  tgtcaagctc atttcctggt atgacaatga atacggctac agcaacaggg tggtggacct    1020
89  catggcctac atggcctcca aggagtaaga aaccctggac cacccacccc agcaaggaca    1080
90  ctgagcaaga gaggccctat cccaactcgg cccccaacac tgagcatctc cctcacaatt    1140
91  tccatcccag acccccataa taacaggagg ggcctaggga gccctcccta ctctcttgaa    1200
92  taccatcaat aaagttcgct gcacccac                                       1228
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 333
96 <212> TYPE: PRT
97 <213> ORGANISM: Mus musculus
99 <400> SEQUENCE: 4
100  Met Val Lys Val Gly Val Asn Gly Phe Gly Arg Ile Gly Arg Leu Val
101   1               5                  10                  15
102  Thr Arg Ala Ala Ile Cys Ser Gly Lys Val Glu Ile Val Ala Ile Asn
103              20                  25                  30
104  Asp Pro Phe Ile Asp Leu Asn Tyr Met Val Tyr Met Phe Gln Tyr Asp
105          35                  40                  45
106  Ser Thr His Gly Lys Phe Asn Gly Thr Val Lys Ala Glu Asn Gly Lys
107      50                  55                  60
108  Leu Val Ile Asn Gly Lys Pro Ile Thr Ile Phe Gln Glu Arg Asp Pro
109  65                  70                  75                  80
110  Thr Asn Ile Lys Trp Gly Glu Ala Gly Ala Glu Tyr Val Val Glu Ser
111                  85                  90                  95
112  Thr Gly Val Phe Thr Thr Met Glu Lys Ala Gly Ala His Leu Lys Gly
```

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113                100                 105                 110
114  Gly Ala Lys Arg Val Ile Ile Ser Ala Pro Ser Ala Asp Ala Pro Met
115          115                 120                 125
116  Phe Val Met Gly Val Asn His Glu Lys Tyr Asp Asn Ser Leu Lys Ile
117      130                 135                 140
118  Val Ser Asn Ala Ser Cys Thr Thr Asn Cys Leu Ala Pro Leu Ala Lys
119  145                 150                 155                 160
120  Val Ile His Asp Asn Phe Gly Ile Val Glu Gly Leu Met Thr Thr Val
121                  165                 170                 175
122  His Ala Ile Thr Ala Thr Gln Lys Thr Val Asp Gly Pro Ser Gly Lys
123              180                 185                 190
124  Leu Trp Arg Asp Gly Arg Gly Ala Ala Gln Asn Ile Ile Pro Ala Ser
125          195                 200                 205
126  Thr Gly Ala Ala Lys Ala Val Gly Lys Val Ile Pro Glu Leu Asn Gly
127      210                 215                 220
128  Lys Leu Thr Gly Met Ala Phe Arg Val Pro Thr Pro Asn Val Ser Val
129  225                 230                 235                 240
130  Val Asp Leu Thr Cys Arg Leu Glu Lys Pro Ala Lys Tyr Asp Asp Ile
131                  245                 250                 255
132  Lys Lys Val Val Lys Gln Ala Ser Glu Gly Pro Leu Lys Gly Ile Leu
133              260                 265                 270
134  Gly Tyr Thr Glu Asp Gln Val Val Ser Cys Asp Phe Asn Ser Asn Ser
135          275                 280                 285
136  His Ser Ser Thr Phe Asp Ala Gly Ala Gly Ile Ala Leu Asn Asp Asn
137      290                 295                 300
138  Phe Val Lys Leu Ile Ser Trp Tyr Asp Asn Glu Tyr Gly Tyr Ser Asn
139  305                 310                 315                 320
140  Arg Val Val Asp Leu Met Ala Tyr Met Ala Ser Lys Glu
141                  325                 330
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 1705
145 <212> TYPE: DNA
146 <213> ORGANISM: Mus musculus
W--> 147 <220> FEATURE:
148 <221> NAME/KEY: Unsure
149 <222> LOCATION: (611)..(611)
150 <223> OTHER INFORMATION: n = a, c, g, or t
W--> 151 <220> FEATURE:
152 <221> NAME/KEY: Unsure
153 <222> LOCATION: (730)..(730)
154 <223> OTHER INFORMATION: n = a, c, g, or t
W--> 155 <220> FEATURE:
156 <221> NAME/KEY: Unsure
157 <222> LOCATION: (746)..(746)
158 <223> OTHER INFORMATION: n = a, c, g, or t
W--> 160 <220> FEATURE:
161 <221> NAME/KEY: Unsure
162 <222> LOCATION: (755)..(755)
163 <223> OTHER INFORMATION: n = a, c, g, or t
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RAW SEQUENCE LISTING DATE: 11/02/2001
PATENT APPLICATION: US/09/599,013B TIME: 09:41:55

Input Set : A:\pto.mh.txt
Output Set: N:\CRF3\11022001\I599013B.raw

W--> 164 <220> FEATURE:
165 <221> NAME/KEY: Unsure
166 <222> LOCATION: (1288)..(1288)
167 <223> OTHER INFORMATION: n = a, c, g, or t
W--> 168 <220> FEATURE:
169 <221> NAME/KEY: Unsure
170 <222> LOCATION: (1318)..(1318)
171 <223> OTHER INFORMATION: n = a, c, g, or t
W--> 172 <220> FEATURE:
173 <221> NAME/KEY: Unsure
174 <222> LOCATION: (1360)..(1360)
175 <223> OTHER INFORMATION: n = a, c, g, or t
177 <400> SEQUENCE: 5
178 gccgcggtga gggaagtgga cgcgatggcc gggtccgcgt gggtgtccaa ggtctctcgg 60
179 ctgctgggtg cattccacaa cacaaaacag gtgacaagag gttttgctgg tggtgttcag 120
180 acagtaactt taattcctgg agatggaatt ggcccagaaa tttcagcctc agtcatgaag 180
181 atttttgatg ctgccaaagc acctattcag tgggaggagc gcaatgtcac agcaattcaa 240
182 ggaccaggag gaaagtggat gatccctcca gaagccaagg agtccatgga taagaacaag 300
183 atgggcttga aaggcccact aaagacccca atagccgctg gccatccatc tatgaatctg 360
184 ttgcttcgta agacatttga cctttatgcc aatgtccggc catgtgtctc aattgaaggt 420
185 tataaaaccc cttacacgga tgtaaatatc gtcaccatcc gagagaacac ggaaggagaa 480
186 tacagtggaa ttgagcatgt gatcgttgat ggggttgtgc agagcatcaa gctcatcacc 540
187 gaagaagcaa gcaagcgcat tgcagagttt gcttcgagta cgctcggaac aaccaccgga 600
W--> 188 accacgtcac ngctgtgcac aaaagctaac atcatgagga tgtcagatgg gctctttctg 660
189 caaaaatgca gggaaatttg cggaagaact gtaaagactt aaatttaacg agatgtactt 720
W--> 190 ggatactgtn gtttaaatat gggtanaaag acccntccaa tttgatgttc ttgtcatgcc 780
191 aaatttatac ggagacatcc ttagtgatct gtgtgcagga ctgattggag gtcttggggt 840
192 gactccaagt ggcaatattg gagccaacgg tgttgccatc tttgaatcgg ttcatggaac 900
193 agccccggac attgcaggca aggacatggc caaccccacg gccctcctgc ttagtgctgt 960
194 gatgatgctt cgccacatgg gacttttga ccatgcagca aaaatcgagg ctgcatgttt 1020
195 tgctacaatt aaggatggaa agagcttaac aaaagatctg ggaggcaacg cgaagtgctc 1080
196 tgacttcaca gaagaaatct gtcgtagagt caaagactta gattagcact cctgctggtg 1140
197 gatttgctgc agtcagtcaa tcactccaaa aggataccct gtaatcctcc ttgagggcgc 1200
198 ccaccattgg tttgcttggt tcttgacaga gtacgttttt tgaatctggc cttttcttaa 1260
W--> 199 caaaaccctt tgcaatggat gcacatgntg gccccaggcc tttcattcaa aaggtttncc 1320
W--> 200 ccaagtgctg gtggtattta ttgtcccgtc tgggtaaacn ttattttgta aactgtaagt 1380
201 gaactgtatc atttatcatt gttaacccat tttacacttc aggcaaaatc attttcctca 1440
202 actgtaaata ttctgataca gaattaataa gagaagatat ttaacttttt aacaaaagcc 1500
203 ctggattttt ggtttatgaa aaacaaactg ggaataaaac agggttttaa caatcgcaca 1560
204 agataacatt attctaatac taatgggtac aaaagaaatt tactgggaaa gttcacagca 1620
205 aaaaaatggt atatttctta aaaatatgga aataaagtat ttgtcctata catgaattac 1680
206 tattaataaa aatgtaagct ccaag 1705
208 <210> SEQ ID NO: 6
209 <211> LENGTH: 233
210 <212> TYPE: PRT
211 <213> ORGANISM: Mus musculus
213 <220> FEATURE:
214 <221> NAME/KEY: UNSURE
215 <222> LOCATION: (204)..(204)

RAW SEQUENCE LISTING DATE: 11/02/2001
PATENT APPLICATION: US/09/599,013B TIME: 09:41:55

Input Set : A:\pto.mh.txt
Output Set: N:\CRF3\11022001\I599013B.raw

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    216 <223> OTHER INFORMATION: Xaa = any amino acid
W--> 217 <400> SEQUENCE: 6
    218  Ala Ala Val Arg Glu Val Asp Ala Met Ala Gly Ser Ala Trp Val Ser
    219   1               5                  10                  15
    220  Lys Val Ser Arg Leu Leu Gly Ala Phe His Asn Thr Lys Gln Val Thr
    221              20                  25                  30
    222  Arg Gly Phe Ala Gly Gly Val Gln Thr Val Thr Leu Ile Pro Gly Asp
    223          35                  40                  45
    224  Gly Ile Gly Pro Glu Ile Ser Ala Ser Val Met Lys Ile Phe Asp Ala
    225      50                  55                  60
    226  Ala Lys Ala Pro Ile Gln Trp Glu Glu Arg Asn Val Thr Ala Ile Gln
    227  65                  70                  75                  80
    228  Gly Pro Gly Gly Lys Trp Met Ile Pro Pro Glu Ala Lys Glu Ser Met
    229                  85                  90                  95
    230  Asp Lys Asn Lys Met Gly Leu Lys Gly Pro Leu Lys Thr Pro Ile Ala
    231              100                 105                 110
    232  Ala Gly His Pro Ser Met Asn Leu Leu Leu Arg Lys Thr Phe Asp Leu
    233          115                 120                 125
    234  Tyr Ala Asn Val Arg Pro Cys Val Ser Ile Glu Gly Tyr Lys Thr Pro
    235      130                 135                 140
    236  Tyr Thr Asp Val Asn Ile Val Thr Ile Arg Glu Asn Thr Glu Gly Glu
    237  145                 150                 155                 160
    238  Tyr Ser Gly Ile Glu His Val Ile Val Asp Gly Val Val Gln Ser Ile
    239                  165                 170                 175
    240  Lys Leu Ile Thr Glu Glu Ala Ser Lys Arg Ile Ala Glu Phe Ala Ser
    241              180                 185                 190
W--> 242  Ser Thr Leu Gly Thr Thr Thr Gly Thr Thr Ser Xaa Leu Cys Thr Lys
    243          195                 200                 205
    244  Ala Asn Ile Met Arg Met Ser Asp Gly Leu Phe Leu Gln Lys Cys Arg
    245      210                 215                 220
    246  Glu Ile Cys Gly Arg Thr Val Lys Thr
    247  225                 230
    249 <210> SEQ ID NO: 7
    250 <211> LENGTH: 853
    251 <212> TYPE: DNA
    252 <213> ORGANISM: Mus musculus
    254 <400> SEQUENCE: 7
    255  gccatgtttg gagagagaag agccaaacag ccatctccct gcacagtcct tcaagctcac      60
    256  ctcctgcctt ccgtggacaa gaggaagcac aaagaatcat ccaggtatgg aagctgaggg     120
    257  ttccagccgc aaggtcacca ggctactccg cctgggagtc aaggaagact cggaagaaca     180
    258  gcatgatgtg aaagcagagg ctttcttcca ggctggagag gggagagatg agcaaggtgc     240
    259  acagggccag cctggagtgg gagcggtggg aacagaaggc gaaggagaag aattaaatgg     300
    260  aggaaaaggc cactttggtc ctggtgctcc tggtcctatg ggtgatgggg acaaggatag     360
    261  tggcaccagg gctggtggtg tggagcagga acaaaatgag ccagttgctg agggcactga     420
    262  gagccaggag aatggaaatc ctgggggtag gcagatgccc ctccagggct ctaggttcgc     480
    263  ccagcatcga ctgagggaac tggagtccat tttgcagcgc actaattcct ttgatgtccc     540
    264  aagggaggat cttgatagac tgatggatgc ctgtgtgtcc agagtgcaga attggtttaa     600
    265  gatcaggagg gctgcggcaa gaagaaccag gaggagggca acaccagtcc ctgaacattt     660
    266  tagaggaaca ttcgagtgtc ctgcttgtcg tggagtgaga tggggagaaa gatgcccttt     720
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VERIFICATION SUMMARY DATE: 11/02/2001
PATENT APPLICATION: **US/09/599,013B** TIME: 09:41:56

Input Set : **A:\pto.mh.txt**
Output Set: **N:\CRF3\11022001\I599013B.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:147 M:283 W: Missing Blank Line separator, <220> field identifier
L:151 M:283 W: Missing Blank Line separator, <220> field identifier
L:155 M:283 W: Missing Blank Line separator, <220> field identifier
L:164 M:283 W: Missing Blank Line separator, <220> field identifier
L:168 M:283 W: Missing Blank Line separator, <220> field identifier
L:172 M:283 W: Missing Blank Line separator, <220> field identifier
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:217 M:283 W: Missing Blank Line separator, <400> field identifier
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:310 M:283 W: Missing Blank Line separator, <220> field identifier
L:314 M:283 W: Missing Blank Line separator, <220> field identifier
L:318 M:283 W: Missing Blank Line separator, <220> field identifier
L:327 M:283 W: Missing Blank Line separator, <220> field identifier
L:331 M:283 W: Missing Blank Line separator, <220> field identifier
L:335 M:283 W: Missing Blank Line separator, <220> field identifier
L:339 M:283 W: Missing Blank Line separator, <220> field identifier
L:343 M:283 W: Missing Blank Line separator, <220> field identifier
L:347 M:283 W: Missing Blank Line separator, <220> field identifier
L:356 M:283 W: Missing Blank Line separator, <220> field identifier
L:360 M:283 W: Missing Blank Line separator, <220> field identifier
L:364 M:283 W: Missing Blank Line separator, <220> field identifier
L:368 M:283 W: Missing Blank Line separator, <220> field identifier
L:372 M:283 W: Missing Blank Line separator, <220> field identifier
L:376 M:283 W: Missing Blank Line separator, <220> field identifier
L:385 M:283 W: Missing Blank Line separator, <220> field identifier
L:389 M:283 W: Missing Blank Line separator, <220> field identifier
L:393 M:283 W: Missing Blank Line separator, <220> field identifier
L:397 M:283 W: Missing Blank Line separator, <220> field identifier
L:401 M:283 W: Missing Blank Line separator, <220> field identifier
L:405 M:283 W: Missing Blank Line separator, <220> field identifier
L:414 M:283 W: Missing Blank Line separator, <220> field identifier
L:418 M:283 W: Missing Blank Line separator, <220> field identifier
L:422 M:283 W: Missing Blank Line separator, <220> field identifier
L:426 M:283 W: Missing Blank Line separator, <220> field identifier
L:430 M:283 W: Missing Blank Line separator, <220> field identifier
L:434 M:283 W: Missing Blank Line separator, <220> field identifier
L:443 M:283 W: Missing Blank Line separator, <220> field identifier
L:447 M:283 W: Missing Blank Line separator, <220> field identifier
L:462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

VERIFICATION SUMMARY DATE: 11/02/2001
PATENT APPLICATION: **US/09/599,013B** TIME: 09:41:56

Input Set : **A:\pto.mh.txt**
Output Set: **N:\CRF3\11022001\I599013B.raw**

L:658 M:283 W: Missing Blank Line separator, <220> field identifier
L:662 M:283 W: Missing Blank Line separator, <400> field identifier
L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

VERIFICATION SUMMARY DATE: 11/02/2001
PATENT APPLICATION: US/09/599,013B TIME: 09:13:08

Input Set : A:\pto.mh.txt
Output Set: N:\CRF3\11022001\I599013B.raw

```
L:332 M:283 W: Missing Blank Line separator, <220> field identifier
L:332 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:333 M:283 W: Missing Blank Line separator, <220> field identifier
L:333 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:334 M:283 W: Missing Blank Line separator, <220> field identifier
L:334 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:335 M:283 W: Missing Blank Line separator, <220> field identifier
L:335 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:336 M:283 W: Missing Blank Line separator, <220> field identifier
L:336 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:338 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:339 M:283 W: Missing Blank Line separator, <220> field identifier
L:339 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:340 M:283 W: Missing Blank Line separator, <220> field identifier
L:340 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:341 M:283 W: Missing Blank Line separator, <220> field identifier
L:341 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:342 M:283 W: Missing Blank Line separator, <220> field identifier
L:342 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:343 M:283 W: Missing Blank Line separator, <220> field identifier
L:343 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:344 M:283 W: Missing Blank Line separator, <220> field identifier
L:344 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:346 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:347 M:283 W: Missing Blank Line separator, <220> field identifier
L:347 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:348 M:283 W: Missing Blank Line separator, <220> field identifier
L:348 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:360 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:360 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:360 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:361 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:361 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:361 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:362 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:362 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:362 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:363 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:363 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:363 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:364 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:364 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:364 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:365 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
```

VERIFICATION SUMMARY DATE: 11/02/2001
PATENT APPLICATION: **US/09/599,013B** TIME: 09:13:08

Input Set : **A:\pto.mh.txt**
Output Set: **N:\CRF3\11022001\I599013B.raw**

L:365 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:365 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:556 M:283 W: Missing Blank Line separator, <220> field identifier
L:556 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:557 M:283 W: Missing Blank Line separator, <400> field identifier
L:559 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:15
L:559 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:15
L:559 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

STATISTICS SUMMARY
PATENT APPLICATION: **US/09/599,013B**

DATE: 11/02/2001
TIME: 09:13:08

Input Set : **A:\pto.mh.txt**
Output Set: **N:\CRF3\11022001\I599013B.raw**

Application Serial Number: US/09/599,013B
Alpha or Numeric: Numeric
Application Class:
Application File Date: 04-26-2000
Art Unit: 1642
Software Application: FastSeq
Total Number of Sequences: 32
Total Nucleotides: 11930
Total Amino Acids: 2684
Number of Errors: 0
Number of Warnings: 106
Number of Corrections: 1

MESSAGE SUMMARY

256 W: 35 (Invalid Numeric Header Field)
258 W: 21 (Mandatory Feature missing)
270 C: 1 (Current Application Number differs)
283 W: 38 (Missing Blank Line separator)
341 W: 12 ((46) "n" or "Xaa" used)